



**G.B. Pant Institute of Himalayan Environment and Development,
Himachal Unit, Mohal-Kullu- 175 126, Himachal Pradesh**

Expression of Interests (EOI)

G.B. Pant Institute of Himalayan Environment & Development, Himachal Unit, Mohal-Kullu, Himachal Pradesh under National Green Tribunal Project "**Assessment of Environmental Impacts in and around the Rohtang Pass (3978 m) and its snow capped areas**" invites Expression of Interests from willing experts for undertaking time bound expert contracts/consultancy assignments for specific tasks (as given below). EOI accompanied by a brief concept proposal along with a brief profile of expert should reach to the Scientist In-charge (samantss2@rediffmail.com) by or before November 21, 2014.

Assignment for Expert Consultant
National Green Tribunal Project

Activities	Broad Deliverables	
	Dec 2014	March 2014
1. Status of ambient air quality, black carbon and columnar aerosols		
1.1. Ambient air quality in terms of particulate matter (PM _{2.5} , PM ₁₀ and BC) as well as collected samples of snow and their ionic concentration	Draft Manuscript	Final output (Report)
1.2. Gaseous pollutants (SO ₂ , NO ₂ , etc.) enroute to Rohtang Pass (at Kothi).	Draft Manuscript	Final output (Report)
1.3. Measure Columnar aerosols as Aerosol Optical Depth	Draft Manuscript	Final output (Report)
2. Identify pollution sources (local vehicular influx; and external long range transport e.g. HYSPLIT Model), meteorology and its relationship with pollution episodes and suggest their mitigating measures enroute to and in and around the Rohtang Pass.	Draft Manuscript	Final output (Report/Paper)
3. Review waste problem and management practices for suitable waste management plan in and around the Rohtang Pass	Draft Manuscript	Final output (Report/Paper)

3.1. Suggest effective waste management plan	Compiled document of environment friendly	Final output (Report/Paper)
4. Changes using satellite imageries and other tools in the surrounding snow and glacier areas of the Rohtang Pass		
4.1. Interpretation of satellite imageries of two time periods.	Obtaining changes in glacier areas	Final Technical Report preparation

Scientist In-charge